

IN THE CLAIMS:

The status and content of each claim follows. *No changes to the claims are proposed in the present paper.*

1. (previously presented) A method for distributing software comprising:
distributing a message from an application server to one or more application layer routers through one or more first channels selected from a first channel layer, wherein the message is distributed to the one or more application layer routers in response to at least the one or more application layer routers registering with the application server to receive messages in accordance with configuration data of one or more endpoints; and
distributing the message from the one or more application routers to the one or more endpoints through one or more second channels selected from a second channel layer, wherein the message is distributed to the one or more endpoints in response to at least the one or more endpoints registering with the one or more application layer routers to receive messages in accordance with the configuration data of the one or more endpoints..

2. (previously amended) The method of claim 1 wherein distributing the message to the endpoint further comprises:

distributing the message to one or more secondary application layer routers through one or more second channels selected from a second channel layer; and

distributing the message to the endpoint through one or more third channels selected from a third channel layer.

3. (original) The method of claim 1 wherein the first channel and the second channel are selected by the application server.

4. (original) The method of claim 1 wherein the first channel and the second channel are selected by the application server based on the available data communications bandwidth in one of the first channels or one of the second channels.

5. (original) The method of claim 1 wherein the first channel and the second channel are selected by the application server based on the available data processing capacity of the selected application layer router.

6. (previously presented) The method of claim 1 wherein distributing the message to the endpoint further comprises:

storing the message at the selected application layer router; and

distributing the message to the endpoint through one or more second channels selected from the second channel layer after the occurrence of a predetermined event.

7. (original) The method of claim 6 wherein the predetermined event is one or more of the group comprising an expiration of a timer, receipt of an event occurrence message, receipt of a bandwidth availability message, and receipt of a processor capacity availability message.

8. (original) The method of claim 1 further comprising determining a sequence for the message prior to distributing the message from the application server to one or more application layer routers.

9. (original) The method of claim 8 wherein determining the sequence comprises determining the sequence base on one or more of the group comprising data communications bandwidth availability between the application server and the endpoint, processing capacity of one or more of the application layer routers, processing capacity of a gateway receiving messages from the endpoint and the application server, and data communications bandwidth availability between the endpoint and the gateway.

10. (original) The method of claim 1 further comprising:
generating a response to the message at the endpoint; and transmitting the response to a destination system using an application layer gateway.

11. (previously presented) A system for distributing software comprising:
an application server transmitting a message that includes a first channel selected from a first channel layer and a second channel selected from a second channel layer;
a first application layer router coupled to the first channel layer receiving the message and transmitting the message over the first channel wherein the message is distributed to the first application layer router in response to at least the first application layer router registering with the application server to receive messages in accordance with configuration data of at least a first endpoint;

a second application layer router coupled to the second channel layer receiving the message and transmitting the message over the second channel, wherein the message is distributed to the second application layer router in response to at least the second application layer router registering with the application server to receive messages in accordance with configuration data of at least a second endpoint; and

the second endpoint receiving the message from the second channel layer.

12. (original) The system of claim 11 wherein the application server further comprises a bandwidth allocation system transmitting the message.

13. (original) The system of claim 11 wherein the application server further comprises an event based sequencing system transmitting the message.

14. (original) The system of claim 11 wherein the first application layer router further comprises a router controller storing the message prior to transmitting the message over the first channel.

15. (original) The system of claim 14 wherein the router controller further comprises a message timing system storing the message for a predetermined period of time.

16. (original) The system of claim 14 wherein the router controller further comprises an event based message system storing the message until the occurrence of a predetermined event.

17. (original) The system of claim 11 further comprising a gateway receiving response data from the endpoint generated in response to the message.